

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052492A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N1/20 C12R1/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N C12R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, WPI Data, PAJ, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! 13 August 2002 (2002-08-13), "Oleispira antarctica cpn10 gene for cochaperonin 10 and cpn60 gene for chaperonin 60" XP002337742 retrieved from EBI accession no. EM_PRO:OAN505131 Database accession no. OAN505131 see sequences	1-10
P,X	-& FERRER MANUEL ET AL: "Functional consequences of single:double ring transitions in chaperonins: life in the cold" MOLECULAR MICROBIOLOGY, vol. 53, no. 1, July 2004 (2004-07), pages 167-182, XP002337729 ISSN: 0950-382X the whole document	1-20

☒ Further documents are listed in the continuation of box C.☐ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

25 July 2005

Date of mailing of the international search report

06/09/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TOSCO ALESSANDRA ET AL: "GroEL from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125: Molecular characterization and gene cloning." EXTREMOPHILES, vol. 7, no. 1, February 2003 (2003-02), pages 17-28, XP002337730 ISSN: 1431-0651 the whole document, in particular the "abstract"; p.20, left-handed column, last paragraph; p.25, left-handed column, first paragraph	1,2,4-6, 8-10,14, 17
X	YAMAUCHI SEIJI ET AL: "Gene structure and transcriptional regulation specific to the groESL operon from the psychrophilic bacterium <i>Colwellia maris</i> ." ARCHIVES OF MICROBIOLOGY, vol. 180, no. 4, October 2003 (2003-10), pages 272-278, XP002337731 ISSN: 0302-8933 the whole document, in particular the "abstract"; p. 274, right-handed column, last paragraph and Fig. 3	1,2,4,6, 8-10
A	YAKIMOV MICHAIL M ET AL: "Oleispira antarctica gen. nov., sp. nov., a novel hydrocarbonoclastic marine bacterium isolated from Antarctic coastal sea water." INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol. 53, no. 3, May 2003 (2003-05), pages 779-785, XP002337732 ISSN: 1466-5026	
A	WALTER STEFAN ET AL: "Molecular chaperones--cellular machines for protein folding." ANGEWANDTE CHEMIE (INTERNATIONAL ED. IN ENGLISH) 2 APR 2002, vol. 41, no. 7, 2 April 2002 (2002-04-02), pages 1098-1113, XP002337733 ISSN: 0570-0833	
A	RANSON NEIL A ET AL: "Chaperonins" BIOCHEMICAL JOURNAL, vol. 333, no. 2, 15 July 1998 (1998-07-15), pages 233-242, XP002337734 ISSN: 0264-6021	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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P,X	FERRER MANUEL ET AL: "Chaperonins govern growth of Escherichia coli at low temperatures." NATURE BIOTECHNOLOGY, vol. 21, no. 11, November 2003 (2003-11), pages 1266-1267, XP009051109 ISSN: 1087-0156 the whole document	1-20
P,X	FERRER MANUEL ET AL: "Expression of a temperature-sensitive esterase in a novel chaperone-based Escherichia coli strain" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 70, no. 8, August 2004 (2004-08), pages 4499-4504, XP002337736 ISSN: 0099-2240 the whole document	1-20